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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/677,886	10/03/2000	Toshiya Imai	198009US2S	6145
22850	7590 01/18/200	2		
OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY			EXAMINER	
			EASTHOM, KARL D	
ARLINGTON, VA 22202			ART UNIT	PAPER NUMBER
			2832	
			DATE MAILED: 01/18/2002	}

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. 09/677.886

Applicant(s)

lmai et al.

Examiner

Karl Easthom

Art Unit 2832



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address -Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). 1) Responsive to communication(s) filed on 2a) This action is **FINAL**. 2b) X This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213. Disposition of Claims 4) X Claim(s) 1-7 is/are pending in the application. 4a) Of the above, claim(s) ______ is/are withdrawn from consideration. 5) Claim(s) _____ 6) 💢 Claim(s) <u>1-7</u> 7) Claim(s) is/are objected to. are subject to restriction and/or election requirement. 8) 📙 Çlaims _ **Application Papers** 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on ______ is/are objected to by the Examiner. 11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved. 12) \square The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. § 119 13) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d). (a)
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(1. X Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received. 14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e). Attachment(s) 15) Notice of References Cited (PTO-892) 18) Interview Summary (PTO-413) Paper No(s). 16) Notice of Draftsperson's Patent Drawing Review (PTO-948) 19) Notice of Informal Patent Application (PTO-152) 17) Information Disclosure Statement(s) (PTO-1449) Paper No(s). 2 20) Other:

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1. The information disclosure statement filed 1/03/00 fails to comply with 37 CFR 1.98(a)(3) because it does not include a concise explanation of the relevance, as it is presently understood by the individual designated in 37 CFR 1.56(c) most knowledgeable about the content of the information, of each patent listed that is not in the English language. It has been placed in the application file, but the information referred to therein has not been considered.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-5 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Matsuoka et al. Claim 1 is disclosed at the sole figure and Table 1 (zinc oxide main), and the high resistance layer 11, see col. 4. The end-to-end distance is met since electrode 5 overlaps 11. Claim 2 is met at col. 4 as an amorphous silica, or a glass containing bismuth, or the organic polymer epoxy, for example. Claims 3 and 6 are met where the thickness is 10um, at col. 4, lines 60-65. Claims 5 and 7 is disclosed at col. 5, lines 3-10, flame spraying, painting (printing or transferring, evaporating (sputtering), etc. Claim 4 is met inherently since the thickness is met and the claimed materials are employed with zinc oxide, and there is a high impulse withstand energy see Table
- 5. Claims 1-5 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Shoji et al. Claim 1 is disclosed at Fig. 1 with zinc oxide as main at col. 1 and high resistance layer 12, 14, see col. 4. The end-to-end distance is met since electrode 16 overlaps 12,14. For example in

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claim 2, a Zn-Si-O component is met at col. 3, line 49. Or the silica in the paste meets the claim.

Claim 3 is met at col. 4, line 45. Claim 4 is met inherently since the thickness is met and the

claimed materials are employed with zinc oxide, and there is a high impulse withstand energy.

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness

rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are

such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the

manner in which the invention was made.

5. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuoka et al. Or

Shoji in view of Seike et al. The claimed invention is disclosed as noted except the electrode

thickness. Seike discloses at col. 3, lines 39-47 and Table 1 electrodes 2,3 at the claimed

thickness to enhance surge tolerance, and it would have been obvious to form such electrodes for

that reason.

6. Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Karl Easthom whose telephone number is (703) 308-3306.

KARL D. EASTHOM PRIMARY EXAMINER